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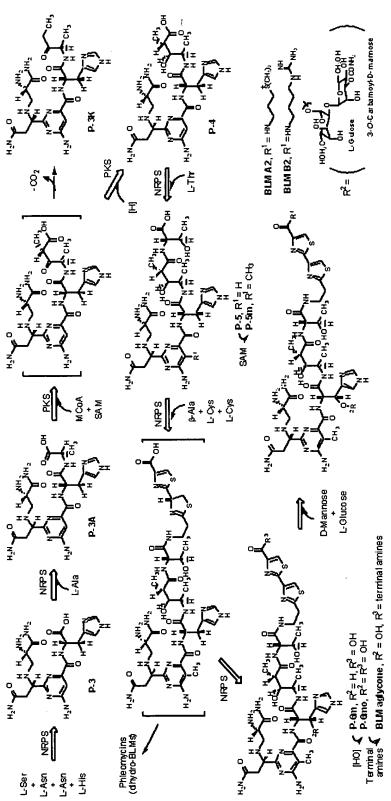


Fig. 1A



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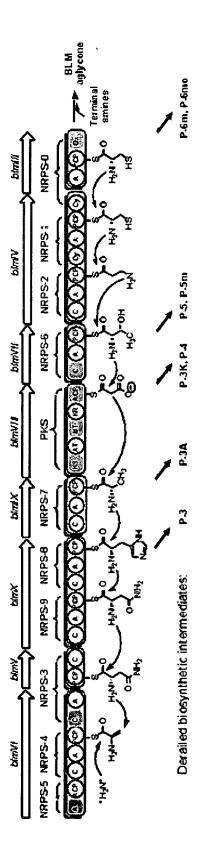


Fig. 1B



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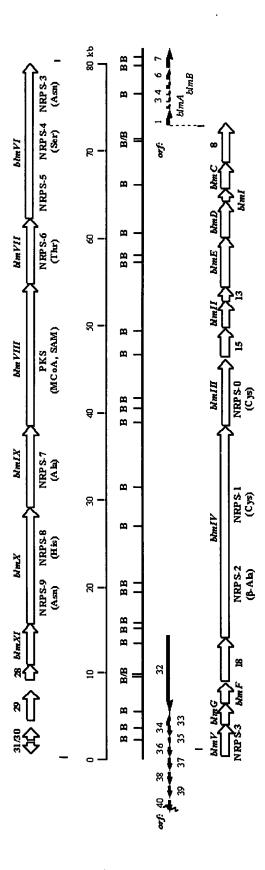


Fig. 2

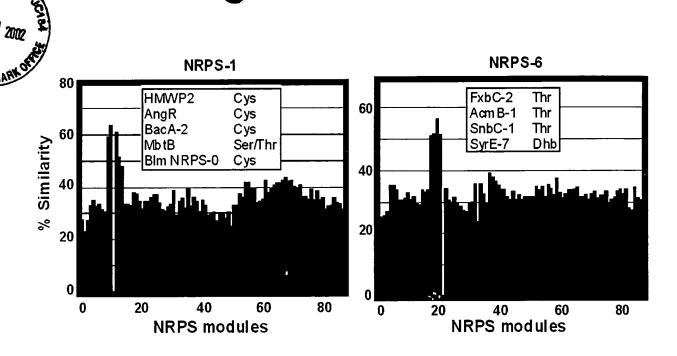


Fig. 3A

Residues (PheA	numbering) (16)
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NRPS module	Substrate	236	239	278	299	301	322	330	331
HMWP2 AngR BacA-2 MbtB Blm NRPS-0 Blm NRPS-1	Cys Cys Cys Ser/Thr Cys Cys	L L M L	Y	ZHZZZZ	M M L A L	S S S G G S	M M L L	 	\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\
SyrE-7 AcmB-1 SnbC-1 FxbC-2 Blm NRPS-6	Dhb Thr Thr Thr Th r	F F F F	W W W W	N N N N S	\ \ \ \ \ \	00000	M M M M	V V V I	H H H H

Fig. 3B



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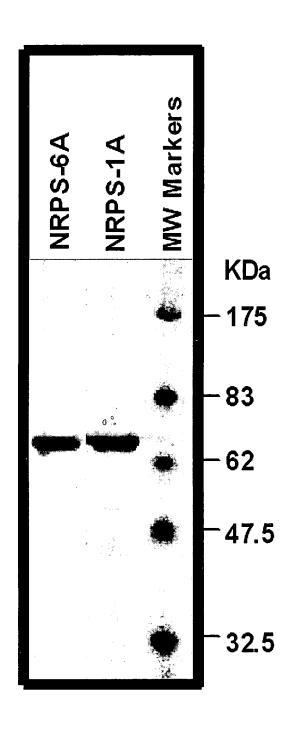


Fig. 3C



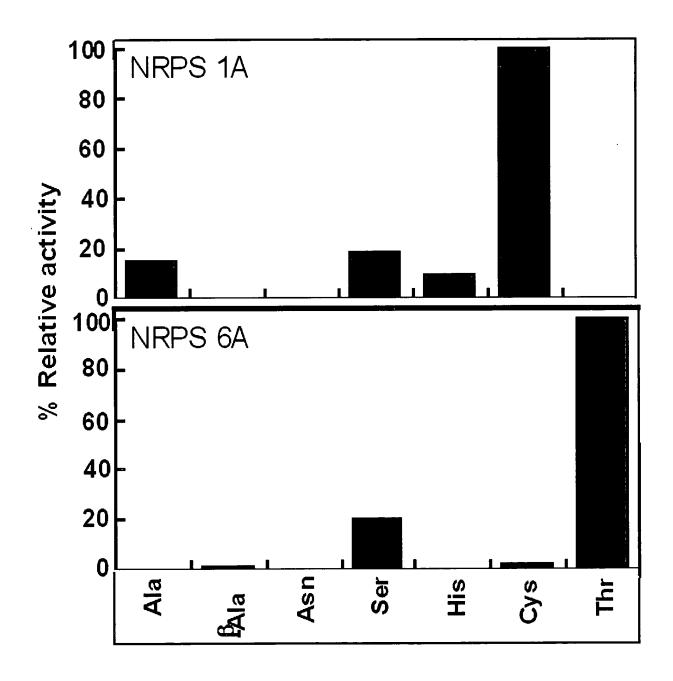


Fig. 3D



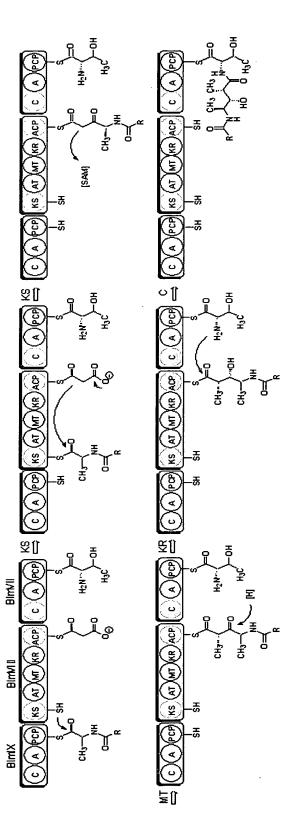


Fig. 4



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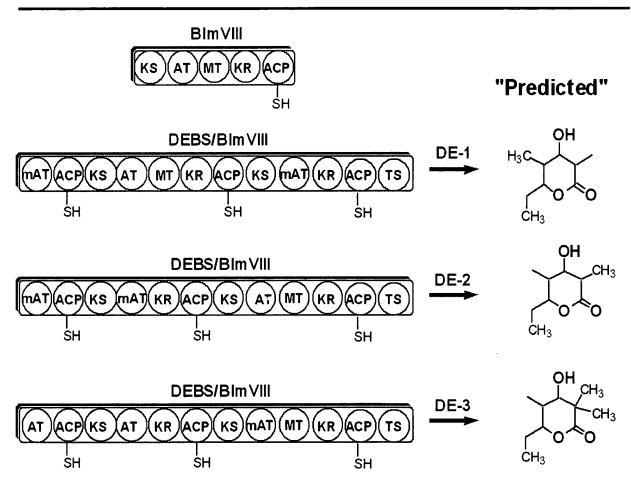


Fig. 5

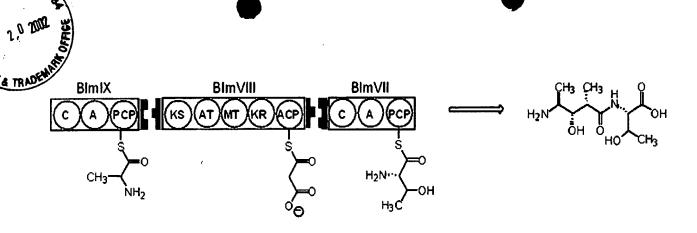


Fig. 6A

Fig. 6B

Fig. 6C



Fig. 6D

$$\begin{array}{c|c} & & & & \\ \hline & &$$

Fig. 6E

Fig. 6F

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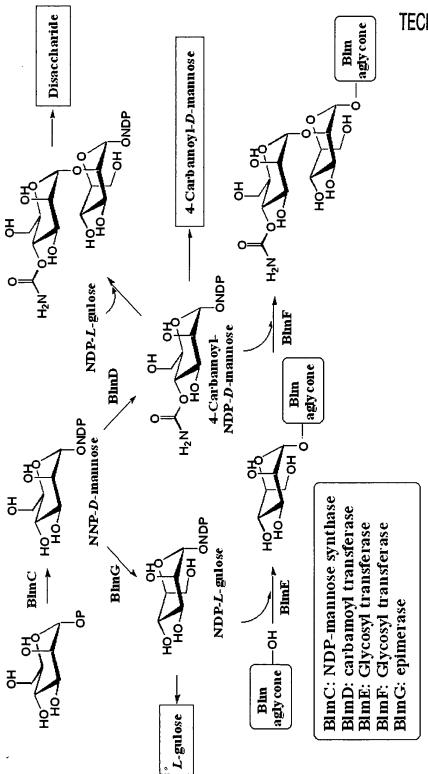


Fig. 7



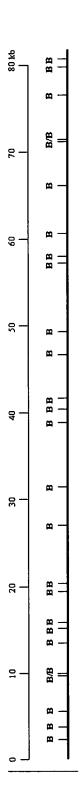


Fig. 8A



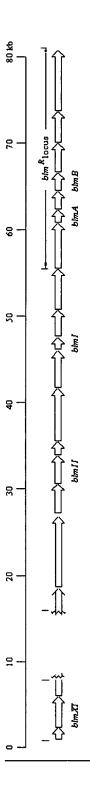


Fig. 8B



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TECH CENTER 1600/2900

186 273 CERT C G G C G C C C G C T C TCCATCCGCGTCCTGCTCGAGACGCGCACGTGGCCGGGACCACGTCCACGCCACGCTCACGGGGAGCGGGACCGGTGA S I R V L L E I R I V A G M I D H V H A I L I G E R D R *

Fig. 8C



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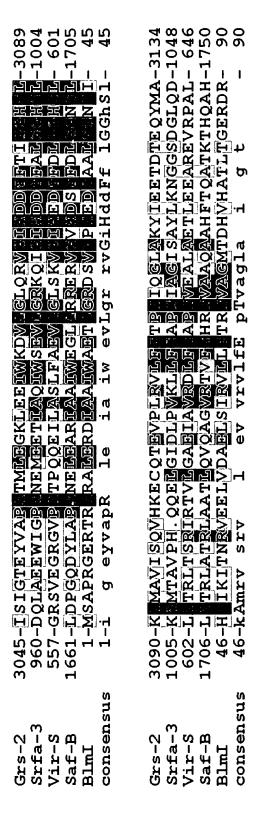


Fig. 9



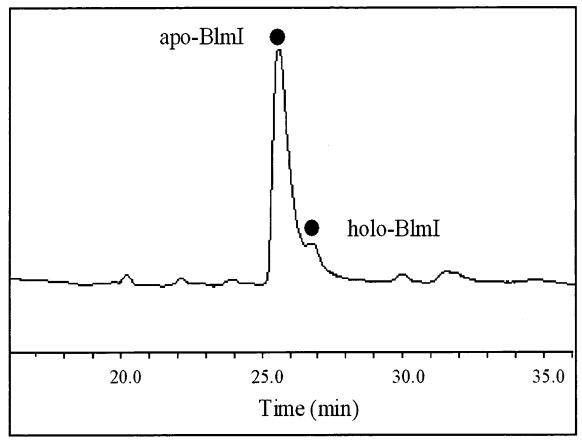


Fig. 10A

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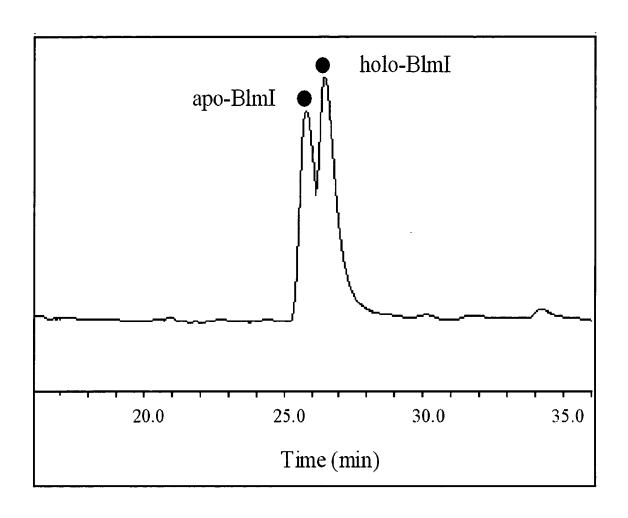
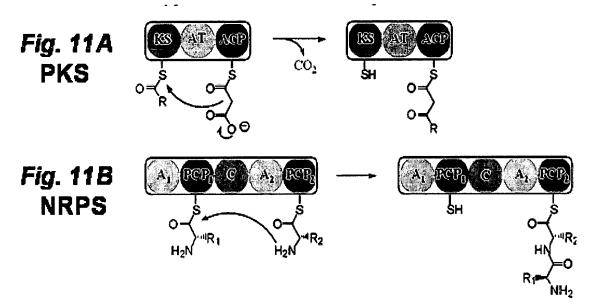


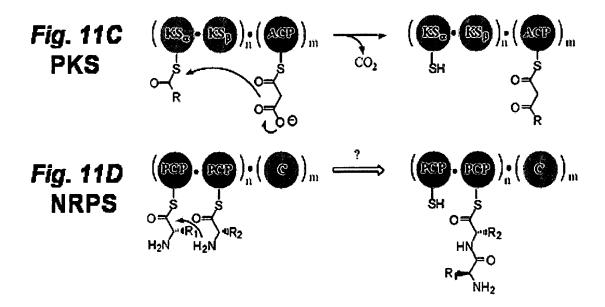
Fig. 10B



Nonreiterative Type I Modular Protein Template



Iterative Type II Protein Complex



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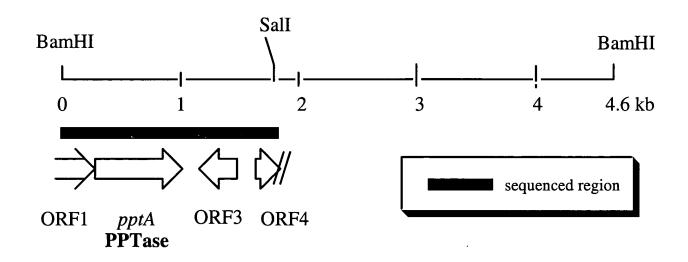


Fig. 13



Fig. 12